FORM PTO-1595 (1) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	99 U.S. DEPARTMENT OF COMMERCE
1-31-92	ET Patent and Trademark Office
	Attorney Docket No. 10980335-1
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Robert C. Maze	HEWLETT-PACKARD COMPANY
Todd A. Cleland	Legal Department, M/S 20BN 3000 Hanover Street
Arun K. Agarwal	Palo Alto, CA 94304
Mark A. Buonanno	
	W W : 5
Additional name(s) of conveying party(ies) attachedYes X No	Additional name(s) & address(es) attached?
3. Nature of Conveyance:	
X Assignment Merger	Change of Name
Security Agreement Other	
Execution Date(s): 6/1/99, 6/1/99, 6/7/99, 5/28/99 resp	ectively
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	cation, execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
Serial No.: 09/302,178 Date Filed: 4/29/99	
Additional numb	ers attached? NO
	6. Total number of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning document should be mailed:	
Records Manager	7. Total Fee (37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMPANY Legal Department	Enclosed
1000 NE Circle Blvd., m/s 422B Corvallis OR 97330	X Authorization to be charged to deposit account.
	8. Deposit Account Number:08-2025
DO NOT USE	THIS SPACE
0. Statement and signature	
9. Statement and signature.  To the best of my knowledge and belief, the foregoing in	nformation is true and correct and any attached copy is a
true copy of the original document.	mormation is true and correct and any attached copy is a
Shellie Schiel	Schif Jun 10, 1999
Name of Person Signing Signature	Date
Total number of pages includin	g cover sheet, attachments, and document:_5
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7/17/1999 DNGUYEN 000000205 032025 093021 Sommissioner of Patents and Trademarks Box Assignment	
01 FC:581 40.00 CH Washingto	on, D.C. 20231
Rev 11/98 (Recdasgn)	PATENT

PATENT REEL: 010025 FRAME: 0783

### PATENT APPLICATION

ATTORNEY DOCKET NO. 10980335-1

### **ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

an application for Letters Patent of the United State	es entitled:
Variable Drop Mass Inkjet Drop Generator	
Filing date: Apr. 30, 1999	Serial No.: <u>09/302,178</u>
continuations-in-part (C-I-P's), divisionals, and ren Letters Patent, and any and all Letters Patent of th	t forth therein, and any and all continuations, newals of and substitutes for said application for said ne United States and of countries foreign thereto which sues, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, assign- the term or terms for which said Letters Patent r	ns in my/our name for Letters Patent in any country, to s, nominees or legal representatives, to the full end of espectively may be granted, reissued or extended, as held and enjoyed by me/us had this assignment, and
that I/we have not executed and will not execute covenant and agree that I/we will, each time a redeliver all such papers as may be necessary or improvement(s), said application and said Letters legal representatives, and I/we agree to communicate said invention(s) or improvement(s), said application proceedings, to sign all lawful papers, to execute reissue and foreign applications, to make all rieverything possible to aid HP, its successors, assign enforce, for its or their own benefit, proper patents.	right to convey the entire interest herein assigned, and any agreement in conflict herewith, and I/we further quest is made, and without undue delay, execute and desirable to perfect the title to said invention(s) or Patent, to HP, its successors, assigns, nominees or ate to HP, or to its nominee, all known facts respecting ation and said Letters Patent, to testify in any legal all disclaimers and divisionals, continuations, C-I-P's, ightful oaths and declarations, and generally to do igns, nominees and legal representatives to obtain and at protection for said invention(s) or improvement(s) in may be incurred by me/us in lending such cooperation
States and any official of any country or countries patents on applications as aforesaid, to issue to HI and all Letters Patent for said invention(s) or impro	ommissioner of Patents and Trademarks of the United of foreign to the United States whose duty it is to issue P, as assignee of the entire right, title and interest, any ovement(s), including any and all Letters Patent of the d on or as a result of the application aforesaid, in
	ys to insert the serial number and filing date of said number and title set forth above as soon as the same d States Patent and Trademark Office.
Lobut C Mag Di	ate Assignment Signed: 6-1-99
Inventor's Typed Name: Robert C. Maze	Date Application Signed: 6-1-99
State of Oregon	
County of Benton , ) ss.:	
Before me this 1st day of June 1999, person	nally appeared Robert C. Maze who is
personally known or proved to the on the basis of satisfact instrument of assignment to be his/her free act and free L SEAL SHELLIE SCHI	tory evidence to be the person who acknowledged the foregoing
NOTARY PUBLIC - OF COMMISSION NO. 3 MY COMMISSION EXPIRES JAN	REGON Notary Public Notary Pub

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10980335-1

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

# **ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, I w	e hereunto set my/c	our hand(s) and seal(s	):
		Date Assignment Signed	l:
Inventor's Signature (Seal)			
Inventor's Typed Name: Todd A. C	leland	Date Applicati	on Signed:
State of	)		
County of	) ss.:		
	,		
Before me this day of	, pe	rsonally appeared <u>Tod</u>	Id A. Cleland who is the person who acknowledged the foregoing
instrument of assignment to be his		stactory evidence to be t	ne person who acknowledged the foregoing
			Notary Public
			My commission expires:
1.73			
Alland		Date Assignment Signed	: 6/7/99
Inventor's Signature (Seal)			
Inventor's Typed Name: Arun K Ag	arwai	Date Application	on Signed: 6/)/99
State of Oregon	)		. ,
County of <b>Benton</b>	) ss.:		
•	,		
Before me thisday of	10 m2 , 1999 , per	rsonally appeared Arus	n K Agarwal who is
nstrument of assignment to be his/	her free act and deed.	ractory evidence to be tr	ne person who acknowledged the foregoing
	OFFICIAL SEAL		Melly Schil
	SHELLIE SCHIE	L	Notary Public
	NOTARY PUBLIC - ORE COMMISSION NO. 30	8635	My commission expires: 1/21/02
	MY COMMISSION EXPIRES JAN. 2	21, 2002	
s and $IA$			
In Marle Ch. Qu	mario	Date Assignment Signed:	5/28/99
nventor's Signature (Seal)		Date Assignment Signed:	3/30/
nventor's Typed Name: Dr. Mark A	Buonanno	Date Application	on Signed: 5/28/95
state of Culifornia	)		
·	) ss.:		
County of Santa clare	}		
Before me this 28 day of 1		sonally appeared Dr. N	Mark A Buonanno who is
ersonally known or proved to me nstrument of assignment to be his/l	e on the basis of satisf per free act and deed.	factory evidence to be th	e person who acknowledged the foregoing
			Vian Deli 4
JERC	OME DECHANT		Notary Public
Comm	ission # 1083712		MyCommission expires: 1-21-2000
San	ublic — California   🤾 Clara County		
My Comm.	Expires Jan 21,2000		

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2

Rev 11/98 (Assign)

PATENT REEL: 010025 FRAME: 0785 Palo Alto, California 94303-0890

Rev 11/98 (Assign)

### PATENT APPLICATION

ATTORNEY DOCKET NO. \_\_10980335-1\_

#### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled: Variable Drop Mass Inkjet Drop Generator Filing date: Apr. 30, 1999 Serial No.: 09/302,178 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment. I/we further authorize and direct HP attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office. Date Assignment Signed: Inventor's Signature (Seal) Inventor's Typed Name: Robert C. Maze Date Application Signed: State of Oregon ) ss.: County of Benton , personally appeared Robert C. Maze \_\_day of \_\_\_ Before me this \_\_\_ personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public

Page 1 of 2

My commission expires:

When recorded please return to:

HEWLETT-PACKARD COMPANY
Legal Department, 20BN
P. O. Box 10301
Palo Alto, California 94303-0890

PATENT APPLICATION	
ATTORNEY DOCKET NO.	10980335-1

# **ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITN	ESS WHEREOF, I we here	unto set my/our hand(s) and seal(s):
Toe	DO (), llulce	Date Assignment Signed: 6-1-99
Inventor's	Signature (Seal)	
Inventor's	Typed Name: Todd A. Cleland	Date Application Signed: 6~1~99
State of	FEDERAL REPUBLIC OF GERMANY LAND HESSEN CITY OF FRANKFURT AM MAIN	) <b>≿</b> ¶s.:
	CONSULATE GENERAL OF THE UNITED STATES OF AMERICA	
Before :	known or proved to me on the	1999 , personally appeared * Todd A. Cleland who is e basis of satisfactory evidence to be the person who acknowledged the foregoing
instrument	of assignment to be his/her free	act and deed. *identified by USPPT 159387679
		JEANETTE A. HANTKE
		Consul of the United States of America  My communication expires: INDEFINITE
I	Signature (Seal)	Date Assignment Signed:
Inventor's	Typed Name: Arun K Agarwal	Date Application Signed:
State of	Oregon	) }ss.:
County of	Benton	<b>)</b>
personally	me this day of known or proved to me on th of assignment to be his/her free	, personally appeared Arun K Agarwal who is e basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
		Notary Public
		My commission expires:
	Signature (Seal) Typed Name: Dr. Mark A Buonar	Date Assignment Signed:
Inventor's	Typed Name: Dr. Mark A Buonar	Date Application Signed:
State of		) }ss.:
County of		!
personally	me this day of known or proved to me on th of assignment to be his/her free	, personally appeared <u>Dr. Mark A Buonanno</u> who is a basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
		Notary Public
		My commission expires:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2

Rev 11/98 (Assign)

PATENT REEL: 010025 FRAME: 0787